10/773,657

1-8. (CANCELED)	-
9. (CURRENTLY AMENDED) A hydrodynamic torque converter comprising;	-0-
a clutch (2) arranged inside a converter housing (1), said clutch	4 =
connecting a pump impeller wheel (3) to a drive , in particular :	\$
a drive engine[[,]]; and in which	4 =
a turbine rotor (4) forms a drive output, and a pressure sensor (12)	
connected to an inner space of the converter determines the pressure inside the	0-
converter housing (1)	

- 10. (CURRENTLY AMENDED) The hydrodynamic torque converter according to claim 9, wherein the clutch (2) is actuated by an actuation device with a piston (9), with a pressure inside [[an]] the inner space of the converter housing (1) acting on one side of the piston (9) and an actuation pressure acting on another side.
- 11. (PREVIOUSLY PRESENTED) The hydrodynamic torque converter according to claim 9, wherein the converter housing (*) has a pressure line (16) through which the converter's internal pressure is transmitted via a rotary connection (15) to a positionally fixed component (13) in which the pressure sensor in arranged.
- 12. (PREVIOUSLY PRESENTED) The hydrodynamic torque converter according to claim 10, wherein the piston (9) has at least one aperture (17) through which the converter's internal pressure is transmitted to a pressure line (16).
- 13. (PREVIOUSLY PRESENTED) The hydrodynamic torque converter according to claim 9, wherein the pressure sensor (12) is arranged in a positionally fixed component (13).
- 14. (PREVIOUSLY PRESENTED) The hydrodynamic torque converter according to claim 13, wherein the positionally fixed component (13) is connected to a stator of the torque converter.
- 15. (PREVIOUSLY PRESENTED) The Hydrodynamic torque converter according to claim 13, wherein a pressure feed line (10) to an actuation device for the clutch (2) and a coolant liquid feed line (6) are a ranged in the positionally fixed component (13).
- 16. (CURRENTLY AMENDED) A hydrodynamic torque converter, comprising:

 a clutch (2) arranged inside a <u>rotatable</u> converter housing (1), said
 clutch <u>having a piston for</u> connecting a pump Impeller wheel (3) to a drive, and in which

10/773,657

a turbine rotor (4) forms a drive putput, and

wherein a pressure within the converter housing (1) is fed via a tapping point <u>in the converter housing adjacent the piston</u> to a hydraulic control unit, which controls an actuation pressure of the clutch (2) as a function of the pressure within a converter housing (1).

- 17. (NEW) The hydrodynamic torque converter according to claim 16, wherein the tapping point in the rotatable converter housing (1) communicates with a pressure line (16) through which the converter's internal pressure is transmitted from the rotatable converter housing (1) via a rotary connection (15) to a relatively fixed component (13) in which the pressure sensor in arranged.
- 18. (NEW) A hydrodynamic torque converter for a drive train of a vehicle comprising:
- a converter housing connected to a drive engine, the converter housing containing;
 - a pump impeller for connecting with the converter housing;
 - a turbine rotor (4) forming an output drive,
- a clutch (2) arranged inside the converter housing (1) for connecting the pump impeller wheel (3) to the converter housing according to an applied clutch pressure; and
- a pressure sensor (12) directly connected with an inner space of the converter housing via a fluid passage to determine a pressure inside the converter housing (1) and regulate the applied clutch pressure as a function of the pressure inside the converter housing.
- 19. (NEW) The hydrodynamic torque converter according to claim 18, wherein the clutch (2) is actuated by an actuation device with a piston (9), with the pressure inside the inner space of the converter housing (1) arting on one side of the piston (9) and an actuation pressure acting on another side.
- 20. (NEW) The hydrodynamic torque converter according to claim 18, wherein the converter housing (1) has a pressure line (16) through which the pressure inside the inner space of the converter housing (1) is transmitted via a rotary connection (15) to a positionally fixed component (13) in which the pressure sensor in arranged.

10/773,657

- 21. (NEW) The hydrodynamic torque convertor according to claim 19, wherein the piston (9) has at least one aperture (17) through which the pressure inside an inner space of the converter housing (1) is transmitted to a pressure line (16).
- 22. (NEW) The hydrodynamic torque converter according to claim 18, wherein the pressure sensor (12) is arranged in a positionally fixed component (13).
- 23. (NEW) The hydrodynamic torque converter according to claim 22, wherein the positionally fixed component (13) is connected to a stator of the torque converter.
- 24. (NEW) The hydrodynamic torque converter according to claim 22, wherein a pressure feed line (10) to an actuation device for the clutch (2) and a coolant liquid feed line (6) are arranged in the positionally fixed component (13).